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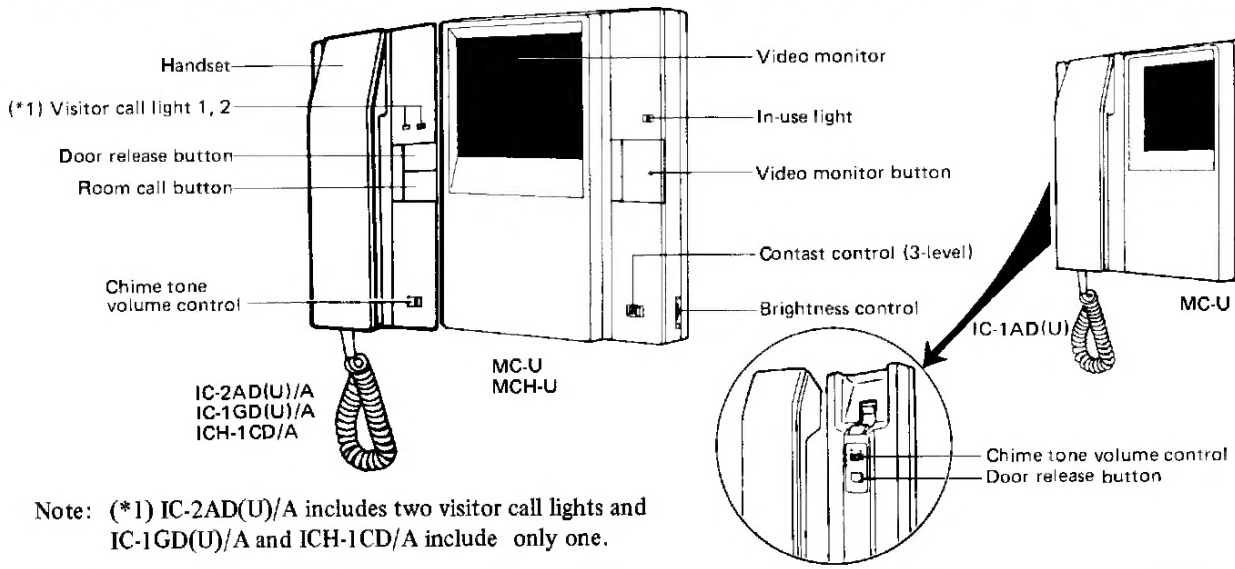
AIPHONE

UNIT TYPE VIDEO INTERCOM SYSTEM

MODELS: ***MC-U*** (Main video monitor unit)
MCH-U (Sub video monitor unit)

OPERATION MANUAL

1 NAMES AND FUNCTIONS



Note: (*1) IC-2AD(U)/A includes two visitor call lights and IC-1GD(U)/A and ICH-1CD/A include only one.

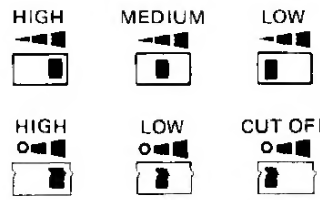
(1) ADJUSTING CHIME VOLUME

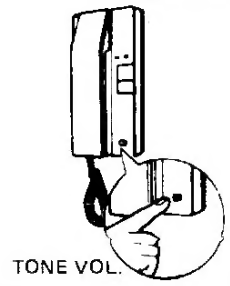
For IC-1AD(U), IC-1GD(U)/A & IC-2AD(U)/A;

The chime tone volume may be adjusted to 3 levels as desired.

For ICH-1CD/A:

The chime tone may be cut off, if set to the left position.



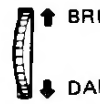


(2) ADJUSTING CONTRAST

The picture contrast may be adjusted to 3 levels as desired.

(3) ADJUSTING BRIGHTNESS

Turn the knob upward to make picture brighter.



Notes: To obtain the best picture, please set contrast switch to DAY position during daytime, and to NIGHT position during the night, and then adjust brightness.

2 BEFORE YOU OPERATE THE EQUIPMENT – Prohibitions and precautions –

* Operation; **DO NOT HOLD HOOK SWITCH DOWN WHILE PICKING UP HANDSET. THE CHIME TONE SOUNDS THROUGH THE HANDSET RECEIVER ELEMENT AND COULD CAUSE HEARING DAMAGE.**

* Maintenance; 1. DO NOT OPEN THE BACK COVER OF THE MC-U/MCH-U UNITS, WITHOUT FIRST REMOVING PLUG OF PS-24N POWER SUPPLY FROM AC OUTLET. The high voltage is loaded on the monitor unit inside.
2. Clean your intercom equipment with a soft cloth dampened with neutral household cleanser. Never use thinner nor benzine, etc.

NEVER

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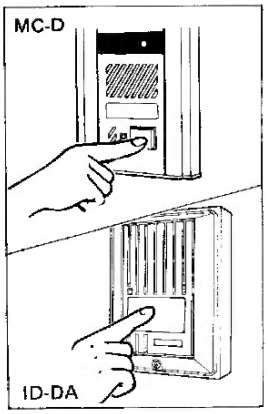
3 OPERATIONS

IC-1AD(U) IC-1GD(U)/A, IC-2AD(U)/A

DOOR STATIONS			
#①	MC-D (with CCD camera)	#②	IC-DC, etc. (without camera) (for IC-2AD(U)/A system only)

(1) CALLING:



Momentarily depress CALL button.

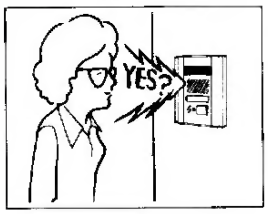
*You can hear call-acknowledged tone.

Talk handsfree standing in front of the camera, when room station replies.

Momentarily depress CALL button.

*You can hear call-acknowledged tone.

Talk handsfree toward the door station, when room station replies.

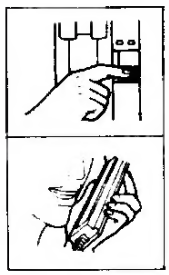


Notes: *The call-acknowledged tone is heard by electronic chime.
4-stroke . . . from MC-D door station (# ①).
2-stroke . . . from intercom door station (# ②).
*Do not touch CALL button while communicating.

(2) ROOM-TO-ROOM COMMUNICATION

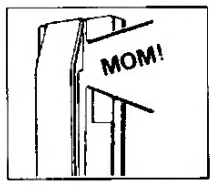
IC-1GD(U)/A, IC-2AD(U)/A

ROOM STATIONS					
MAIN	MC-U & IC-1GD(U)/A	SUB #①	MCH-U & ICH-1CD/A	SUB #②	MCH-U & ICH-1CD/A
	MC-U & IC-2AD(U)/A		MCH-U & ICH-1CD/A		MCH-U & ICH-1CD/A



Pick up handset, depress ROOM CALL button once and call by voice directly, depressing and holding ROOM CALL button.

Two room stations are called simultaneously by pre-tone and voice direct.

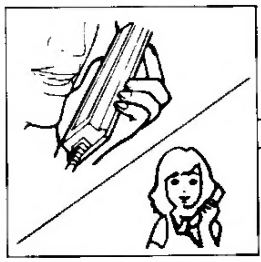


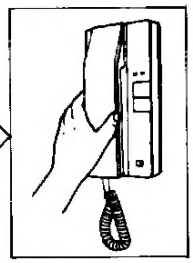
Wait for a reply.

Pick up handset.

Communicate.

After communication, hang up handset.





Notes: *Calling from sub room station is available by TONE ONLY. Please call by Morse code.
*During room-to-room communication, a call from door station can be announced by low chime tone thru handset and picture appears, if from MC-D. Hang up handset at both stations and, at either station, pick up handset and reply.

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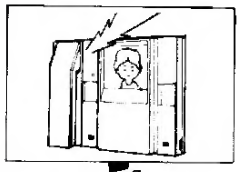
ROOM STATIONS						
MAIN	MC-U & IC-1AD(U) MC-U & IC-1GD(U)/A MC-U & IC-2AD(U)/A	SUB #①	– MCH-U & ICH-1CD/A MCH-U & ICH-1CD/A	SUB #②	– MCH-U & ICH-1CD/A MCH-U & ICH-1CD/A	EXTENSION SPEAKER (ICR-1)

(3) ANSWERING TO DOOR STATION;



4-stroke (2-stroke from intercom door station) electronic chime tone sounds at all room stations (& at ICR-1, if installed) and PICTURE APPEARS AT ALL MONITORS.

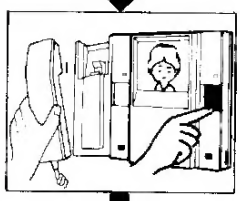
Notes: *Reply within 45 seconds after call tone sounds.
*Picture goes off if monitor button is pressed before answering.
*No picture appears when called by IC door station #②

DING-DDNG
DING-DDNG
from MC-O

DING-ODNG
from INTERCOM
DDOR STATIDN

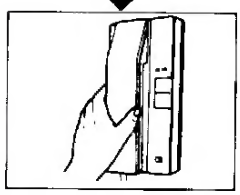
At either station, pick up handset and talk to the visitor in the picture.

Notes: *Do not depress ROOM CALL button while communicating with door station.
*Communication from ICR-I is not available.



Timer shuts off the picture automatically approximately 2.5 minutes after the chime tone is heard. Depress MONITOR button to reactivate the circuits for another 2.5 minutes.

Notes: *If the visitor pressed CALL button while communicating, picture goes off.
*Depress MONITOR button to restart.
*Visitor call light remains lit while communicating with door station.

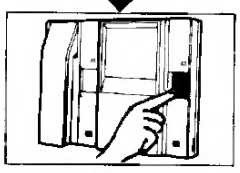


After communication, hang up handset. The system returns to standby mode.

(4) MONITORING;

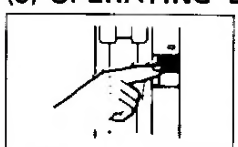
Depress MONITOR button, and picture appears and remains for approximately 2.5 minutes. To continue monitoring, depress MONITOR button again.

Notes: *If you pick up handset during monitoring, you can not monitor sound of the outside nor be heard by the MC-D door station. But, on IC-1AD (U) only, you can talk to or hear MC-D by picking up handset.
*When chime tone sounds while monitoring, just pick up handset to reply.

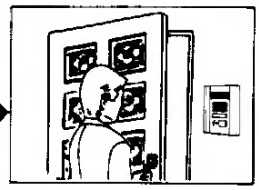


Depress MONITOR button again to end monitoring.

(5) OPERATING ELECTRIC DOOR RELEASE;



After confirming visitor, depress and hold DOOR RELEASE button to activate electric strike.



The visitor may open the door while the electric strike is being activated.

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4 TROUBLE SHOOTING GUIDE

NO.	MODE OF TROUBLE	LOOK FOR
1	Unit totally dead.	* Power supply (PS-24N) not plugged. * Wires to power supply disconnected or shorted.
2	Can call and communicate, and picture tube lights, but no picture.	* Inferior connection of coaxial cable at the terminal end. * Short in coaxial cable connections at the terminal end. * Coaxial cable disconnected. * Defective camera.
3	Can call and communicate, but picture tube remains dark.	* Defective video monitor.
4	Cannot call from door station.	* Defective door or room station.
5	Picture appears, but can not communicate.	* Defective door or room station.
6	"Negative" image (reversal of black and white).	* Worn out picture tube (a general life of picture tube is approximately 4 years in normal application).

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient the receiving antenna

Relocate the computer with respect to the receiver

Move the computer away from the receiver

Plug the computer into a different outlet so that computer and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

"How to Identify and Resolve Radio – TV Interference Problems".

This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

WARRANTY

Aiphone warrants its products to be free from defects of material and workmanship under normal use and service for a period of one year after delivery to the ultimate user and will repair free of charge or replace at no charge, should it become defective upon which examination shall disclose to be defective and under warranty. Aiphone reserves unto itself the sole right to make the final decision whether there is a defect in materials and/or workmanship; and whether or not the product is within the warranty.

This warranty shall not apply to any Aiphone product which has been subject to misuse, neglect, accident, or to use in violation of instructions furnished, nor extended to units which have been repaired or altered outside of the factory.

This warranty does not cover batteries or damage caused by batteries used in connection with the product.

This warranty covers bench repairs only, and any repairs must be made at the shop or place designated in writing by Aiphone. Aiphone will not be responsible for any costs incurred involving on site service calls.

Aiphone Co., Ltd., Nagoya, Japan
Aiphone Corporation, Bellevue, Washington

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